

**RECEIVED  
CENTRAL FAX CENTER**

Attorney Docket No.: 40146/25701 (1268)

**IN THE CLAIMS:****SEP 25 2007**

1. (Currently amended) In a wireless local area network wherein mobile units are provided with radios for transmitting and receiving data communications messages between said mobile units and fixed access points, and wherein said mobile units are located using signal strength for radio communications between said mobile units and said access points,

~~the improvement a system~~ wherein at least some of said access points are provided with antennas having antenna patterns with selected pattern shape for enhancing location of said mobile units, said selected pattern shapes include horizontally offset directional antenna patterns.

2. (Canceled)

3. (Currently amended) ~~The improvement as specified system as recited~~ in claim ~~[[2]]~~ 1 wherein said horizontally offset directional antenna patterns are horizontally offset in angular direction.

4. (Currently amended) ~~The improvement as specified system as recited~~ in claim 1 wherein at least some of said antenna patterns offset in angular direction are provided by an antenna having multiple angularly offset beams

5. (Canceled)

6. (Currently amended) ~~The improvement specified system as recited~~ in claim 4 wherein said antennas having angularly offset beams are connected to multiple access point circuits.

7. (Currently amended) ~~The improvement specified system as recited~~ in claim 4 wherein said antennas are mounted near the periphery of a facility.

8. (Currently amended) ~~The improvement as specified system as recited~~ in claim ~~[[2]]~~ 1 wherein said horizontally offset directional beams are horizontally offset in position.

9. (Currently amended) ~~The improvement as specified system as recited~~ in claim 8 wherein at least some of said antennas are mounted near the periphery of a facility.

Attorney Docket No.: 40146/25701 (1268)

10. (Currently amended) The ~~improvement-specified system as recited~~ in claim 8 wherein said directional beams are offset in position to correspond to aisles in a facility.

11. (Currently amended) The ~~improvement-specified system as recited~~ in claim 1 wherein said antennas are located at selected heights for ~~accheiving~~ achieving said selected pattern shapes.

12. (New) The system as recited in claim 1 wherein an axis of each of said directional antenna patterns are arranged in parallel relation to one another.

13. (New) The system as recited in claim 1 wherein a first group of said directional antenna patterns radiate between a second group of said directional antenna patterns.

14. (New) The system as recited in claim 1 wherein a first group of said access points are arranged in an opposing interleaved pattern relative to a second group of said access points.